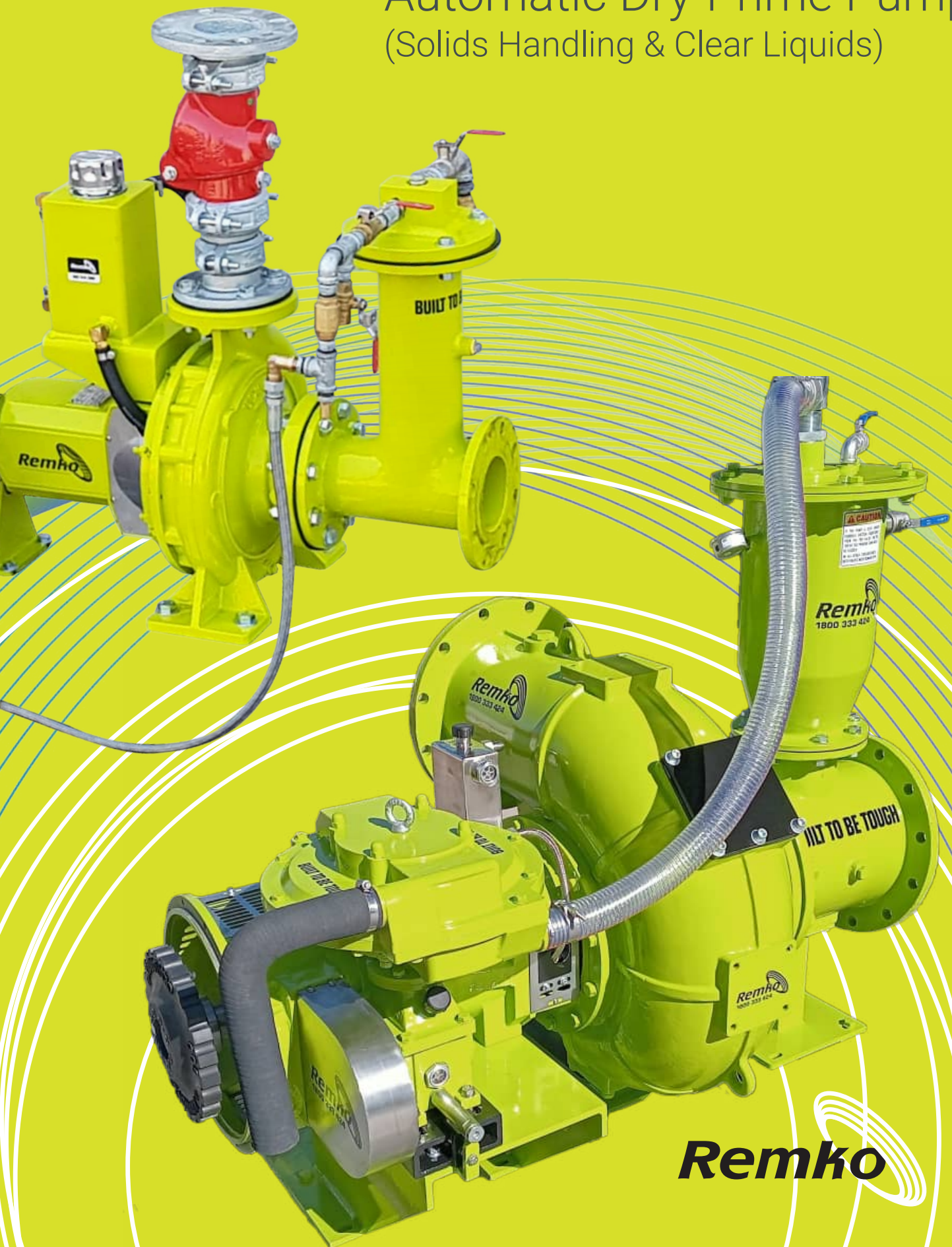


REMKO RA SERIES Automatic Dry-Prime Pumps (Solids Handling & Clear Liquids)



Remko



Remko Automatic Dry Prime Pumps

Reliable. Efficient. Ready to Run.

Remko Automatic Dry Prime Pumps are designed for continuous, unattended operation in the toughest dewatering, construction, mining, and municipal applications. With advanced automatic priming systems, these pumps handle large suction lifts, long suction lines, and intermittent flows — all without manual intervention.

Key Features

- Automatic Dry Priming – No need for manual filling or foot valves.
- Continuous Operation – Handles air, gas, or mixed flow without losing prime.
- Robust Build – Heavy-duty pump casing, wear-resistant impellers, and rugged skids/trailers.
- Flexible Power Options – Available with diesel engines or electric motors.
- Low Maintenance – Fewer moving parts, easy service access, long life in demanding environments.

Two Priming System Options

1. Diaphragm Priming System

A mechanical diaphragm pump is driven from the main pump shaft or auxiliary motor to evacuate air from the suction line and casing.

Advantages:

- Proven, simple, and highly reliable.
- Low energy consumption.
- Continuous priming – capable of handling air leakage during operation.
- Minimal maintenance with heavy-duty elastomer diaphragms.

Best Suited For:

- Site dewatering and wellpoint applications.
- Continuous duty in sandy or silty water conditions.
- Remote jobs requiring a simple, self-sufficient priming system.

2. Compressor Venturi Priming System

An air compressor drives a venturi (ejector) system, creating a powerful vacuum that rapidly removes air from the suction line and pump casing.

Advantages:

- Fast priming, even on very large suction lines.
- Excellent for high-capacity and long-distance suction applications.
- Handles demanding conditions such as sewer bypass or flood control.
- Oil-free design options available for environmentally sensitive sites.

Best Suited For:

- Sewer bypass pumping.
- Large-scale flood control and high-volume transfer.
- Applications where rapid priming and re-priming are critical.





Applications

- Construction & Site Dewatering
- Sewer Bypass & Overpumping
- Flood Control & Disaster Response
- Mining & Quarry Dewatering
- Municipal & Industrial Water Transfer

Why Choose Remko?

- Australian Engineered - Built for harsh environments & compliance with standards.
- Choice of Priming System – Tailored to suit your application.
- Full Support – Service, parts, and technical backup across Australia.

Specifications at a Glance

- Flow rates: up to 1,000 L/sec
- Head: up to 200 m
- Solids handling: up to 75 mm
- Suction lift: up to 9 m
- Priming: Diaphragm or Compressor Venturi system

CHOOSING THE RIGHT PRIMING SYSTEM

Feature / Benefit	Diaphragm Priming System	Compressor Venturi Priming System
Operating Principle	Small diaphragm pump mechanically removes air from suction line	Air compressor drives a venturi ejector to create strong vacuum
Priming Speed	Moderate – reliable for standard suction lengths	Fast – ideal for long suction runs and large pipes
Energy Use	Low – mechanically driven, minimal power required	Higher – requires compressor unit
Maintenance	Simple, low maintenance; occasional diaphragm replacement	Slightly higher maintenance, more components (compressor, ejector)
Air Leakage Handling	Continuous priming – easily handles minor leaks	Continuous priming – re-primed quickly if air enters
Best Applications	Construction dewatering, wellpoints, remote sites	Sewer bypass, flood control, high-capacity transfer
Cost	Lower upfront cost, economical choice	Higher upfront cost, but faster performance for demanding jobs

Quick Guide:

- Choose Diaphragm when you need simplicity, low cost, and proven reliability.
- Choose Compressor Venturi when you need fast priming & high suction capacity.



Auto Prime Pump Package Options:



AG Series Skid Base Electric or Diesel Drive Pump Package

Key Features

- Hot dip galvanized base
- Forklift accessible
- Lighting Frame with roof option available

AG Plus Series Skid Base Diesel Drive Pump Package

Key Features

- Hot dip galvanized fuel tank base
- Fuel capacity 160L (AG Plus 700) & 300L (AG Plus 900)
- Lighting Frame with roof
- Options include solar panel, remote start/stop, locable battery box, battery isolator, fire extinguisher, flash lights, emergency stop switch



Contractor Series Skid Base Diesel Drive Pump Package

Key Features

- Heavy-duty painted fuel tank base
- Fuel capacities from 300L to 3000L available as standard
- 4-Post lifting frame design with roof
- Options include solar panel, remote start/stop, locable battery box, battery isolator, fire extinguisher, flash lights, emergency stop switch



Mining Series Skid Base Diesel Drive Pump Package

Key Features

- Heavy-duty MineSpec fuel tank base with bracing & shun-bar
- Fuel capacities from 300L to 3000L available as standard
- 2-Post or 4-Post lighting frame design with roof
- standard build includes suction & discharge pipework, locable battery box, battery isolator, fire extinguisher, flashing lights and emergency stop
- Options include solar panel, remote start/stop





Remko Auto Prime - Clear Liquid Pumps & Solids Handling Pumps

Clear Liquid Handling Pumps:
Choose when you need efficient, reliable transfer of clean water.



Solids Handling Pumps:
Choose when the job involves dirty, abrasive, or debris laden-



QUICK COMPARISON

Feature / Application	Solids Handling Pump	Clear Liquid Handling Pump
Fluid Type	Dirty water, sewage, slurry, abrasive fluids	Clean water, treated water, low solids
Solids Passage	Up to 75mm (depending on model)	Minimal (designed for clear fluids)
Efficiency	Lower hydraulic efficiency (due to solids capacity)	Higher efficiency, reduced energy use
Durability	Rugged, wear-resistant materials	Medium duty, corrosion resistant
Best Applications	Sewer bypass, mining, flood control, construction	Irrigation, municipal, industrial clean water transfer

Contact your local Remko Distributor

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